

## SYSTEM AND METHOD FOR MICROPHONE GAIN ADJUST BASED ON SPEAKER ORIENTATION

### ABSTRACT OF THE DISCLOSURE

A system and method for automatically adjusting the gain of an audio system as a speaker's head moves relative to a microphone includes using a video of the speaker to determine an orientation of the speaker's head relative to the microphone and, hence, a gain adjust signal. The gain adjust signal is then applied to the audio system that is associated with the microphone to dynamically and continuously adjust the gain the audio system.

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